

## **ELECTRICALLY CONDUCTIVE MDF SURFACE**

### **ABSTRACT**

[0030] The present disclosure provides a method and system for implanting a piece of wood or wood composite to improve the electrostatic attraction thereupon. A method is provided for treating a lignocellulosic substrate such as medium density fiberboard (MDF). The method includes implanting a conductive material into the lignocellulosic substrate, pre-heating the implanted lignocellulosic substrate, coating the pre-heated implanted lignocellulosic substrate with a powder solution, and curing the powder coated substrate.